

ARG82429 Mouse Phospholipase A2 IIA ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82429-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82429-002	Standard	2 X 10 ng/vial	4°C
ARG82429-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82429-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82429-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82429-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82429-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82429-008	25X Wash buffer	20 ml	4°C
ARG82429-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82429-010	STOP solution	10 ml (Ready to use)	4°C
ARG82429-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82429 Mouse Phospholipase A2 IIA ELISA Kit is an Enzyme Immunoassay kit for the quantification of Mouse Phospholipase A2 IIA in serum, plasma (EDTA, heparin) and cell culture supernatants.
Tested Reactivity	Ms
Tested Application	ELISA
Target Name	Phospholipase A2 IIA
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15.6 pg/ml
Sample Type	Serum, plasma (EDTA, heparin) and cell culture supernatants.
Standard Range	31.2 - 2000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 5.0% Inter-Assay CV: 5.8%

Alternate Names PLA2B; GIIC sPLA2; EC 3.1.1.4; Non-pancreatic secretory phospholipase A2; PLA2; MOM1; PLA2L; PLAS1; PLA2S; NPS-PLA2; Group IIA phospholipase A2; sPLA2; Phospholipase A2, membrane associated; Phosphatidylcholine 2-acylhydrolase 2A

Application Instructions

Assay Time ~ 5 hours

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol PLA2G2A

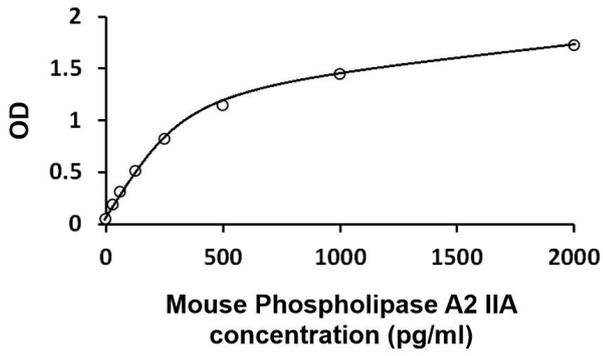
Gene Full Name phospholipase A2, group IIA (platelets, synovial fluid)

Background The protein encoded by this gene is a member of the phospholipase A2 family (PLA2). PLA2s constitute a diverse family of enzymes with respect to sequence, function, localization, and divalent cation requirements. This gene product belongs to group II, which contains secreted form of PLA2, an extracellular enzyme that has a low molecular mass and requires calcium ions for catalysis. It catalyzes the hydrolysis of the sn-2 fatty acid acyl ester bond of phosphoglycerides, releasing free fatty acids and lysophospholipids, and thought to participate in the regulation of the phospholipid metabolism in biomembranes. Several alternatively spliced transcript variants with different 5' UTRs have been found for this gene.[provided by RefSeq, Sep 2009]

Function Thought to participate in the regulation of the phospholipid metabolism in biomembranes including eicosanoid biosynthesis. Catalyzes the calcium-dependent hydrolysis of the 2-acyl groups in 3-sn-phosphoglycerides. [UniProt]

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New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Cellular Localization Cell membrane; Peripheral membrane protein. Secreted. [UniProt]



ARG82429 Mouse Phospholipase A2 IIA ELISA Kit standard curve image

ARG82429 Mouse Phospholipase A2 IIA ELISA Kit results of a typical standard run with optical density reading at 450 nm.